

Title (en)

BATTERY CELL DESIGN AND METHODS OF ITS CONSTRUCTION

Title (de)

BATTERIEZELLENGESTALTUNG UND VERFAHREN ZU DEREN BAU

Title (fr)

CONCEPTION D'UN ÉLÉMENT DE BATTERIE ET PROCÉDÉS POUR SA CONSTRUCTION

Publication

**EP 2181482 A4 20151223 (EN)**

Application

**EP 08796559 A 20080724**

Priority

- US 2008071041 W 20080724
- US 95157107 P 20070724

Abstract (en)

[origin: WO2009015282A1] In some embodiments, a battery cell can include an assembly having an anode sheet and a cathode sheet separated by separator membranes, each sheet having an electroactive layer on a current collector. At least one of the current collectors can be in electrical communication with conducting tabs that extend from at least one of the anode sheet and the cathode sheet, the conducting tabs extends from an end face of the spirally wound assembly. In addition, the cell can include a first tab insulator having concentrically positioned outer and inner members, each of the outer and inner members having at least one slot that allows one or more of the plurality of conducting tabs to pass through. The inner and outer members are adjustable with respect to relative angular orientation of the at least one slot on the outer and inner members of the first tab insulator.

IPC 8 full level

**H01M 50/538** (2021.01); **H01M 50/184** (2021.01); **H01M 50/186** (2021.01); **H01M 50/193** (2021.01); **H01M 50/534** (2021.01); **H01M 50/536** (2021.01)

CPC (source: EP US)

**H01M 50/528** (2021.01 - EP US); **H01M 50/538** (2021.01 - EP US); **H01M 50/184** (2021.01 - EP US); **H01M 50/186** (2021.01 - EP US); **H01M 50/193** (2021.01 - EP US); **H01M 50/534** (2021.01 - EP US); **H01M 50/536** (2021.01 - EP US); **Y02E 60/10** (2013.01 - EP); **Y10T 29/49108** (2015.01 - EP US)

Citation (search report)

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- [X] GB 2330234 A 19990414 - SAMSUNG DISPLAY DEVICES CO LTD [KR]
- [X] US 2003091893 A1 20030515 - KISHIYAMA CLAY [US], et al
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2009015282 A1 20090129**; CN 101816093 A 20100825; CN 101816093 B 20130925; EP 2181482 A1 20100505; EP 2181482 A4 20151223; EP 2181482 B1 20200722; JP 2010534916 A 20101111; JP 5378377 B2 20131225; KR 101566561 B1 20151105; KR 20100058501 A 20100603; US 2009029240 A1 20090129; US 8236441 B2 20120807

DOCDB simple family (application)

**US 2008071041 W 20080724**; CN 200880105517 A 20080724; EP 08796559 A 20080724; JP 2010518388 A 20080724; KR 20107003935 A 20080724; US 17853808 A 20080723